

On a Suspected New Variable Star in Corona Borealis.

By J. E. Gore.

With reference to Mr. Chambers' paper in the Supplementary Number of the *Monthly Notices* (No. 9, vol. xlv.), I beg to point out that the red star *Birmingham* 361 (=Schj. 182) is identical with the known variable star *V Coronæ* (No. 109 of my *Catalogue of Known Variable Stars*), its variability having been discovered by Dunér in 1878, and confirmed by the observations of Chandler, Hartwig, Safarik, Schmidt, and Wilsing. The variation is from 7.5^m to 12^m , and the period about $359\frac{1}{2}$ days. The following maxima have been observed:—

1878, Oct. 5	Dunér.
1879, Oct. 12	Schmidt.
1881, Oct. 3	Schmidt.
1882, Sept. 15.6	Schmidt.
1883, Sept. 24 (7.7^m)	Chandler.
1883, Sept. 5	Schmidt.

The red star observed by Mr. Chambers on August 13, 1885, was most probably *V Coronæ*, as a maximum was due this year early in September. I may add that, according to Chandler, the period given above agrees well with the invisibility of the star to *Birmingham* in 1873 and 1874, and the observations by Ball in 1876, and by Dreyer in 1879 and 1880.

Ballysodare, Co. Sligo:
1885, Nov. 19.

Occultation of Uranus, 1885, December 1. By the Rev.
S. J. Johnson.

Disappearance at the Moon's bright limb took place at a point in a line with *Marius* north of *Grimaldi*, at $4^h 56^m 16^s$ morning. Sky perfectly clear. Reappearance $6^h 6^m 42^s$, also in a clear sky. Time by sextant. With power of 50 on $3\frac{1}{4}$ inches, planet rather minute at immersion; at emersion bright and distinct, somewhat between a planetary disc and a star. Some interest is attached to this phenomenon from the fact of the planet having disappeared six minutes before the predicted time in March 1871 (calculated from former tables), several observers being on that occasion disappointed of the observation.

Melplash Vicarage, Bridport:
1885, Dec. 8.

Observations of Comets—Brooks, Fabry, and Barnard—made at Dun Echt Observatory with the Filar Micrometer of the 15-inch Refractor.

(Communicated by the Earl of Crawford and Balcarres.)

Object.	Date. 1885	Dun Echt Mean Time.			Comet—Star.			α Comet.			δ Comet.			Observer.	Remarks.
		h	m	s	$\Delta\alpha$	$\Delta\delta$	Δ	h	m	s	°	'	"		
Brooks ...	Oct. 5	9	3	41	+0	14.98	-0	4.1	17	29	38.11	+41	35	41.4	L. B. Very faint, 3' diam.
Fabry ...	Dec. 7	8	20	59	+2	22.57	-3	31.8	0	25	10.02	+20	52	45.4	R. C. Diam. 40'', brighter towards the preceding side.
Barnard ...	7	12	21	45	+3	42.26	-1	54.9	4	12	29.07	+5	3	52.9	R. C. Diam. 1', considerably brighter in the middle.

Adopted Mean Places of Comparison Stars for 1885.0.

1885	α	h	m	s	Redn.	δ	°	'	"	Redn.	"	Authorities.
Oct. 5	17 29	22.46			+0.67	+41	35	21.2		+24.3		Connected with B. W. ₂ 812.
	17 27	38.27				+41	35	23.8				B. W. ₂ 812.
Dec. 7	0 22	44.03			+3.42	+20	55	52.1		+25.1		Bonn Observations, Vol. VI. +20°, 47.
7 (bis)	4 8	42.70			+4.11	+5	5	45.8		+2.0		B. W. 4 ^b 123.

The observers' initials are those of Ralph Copeland and L. Becker.